ABSTRACT OF THE DISCLOSURE

[0031] A method of searching a specially-constructed data table enables a data

2 structure that emulates a multi-dimensional array, and enables data to be added to the

data table without the need to revise a program that accesses the data in the table.

4 Data elements are stored linearly in the data table in an order prescribed by nesting

the indices of the emulated multi-dimensional array, and are separated by special table

6 entries indicating index transitions. The data table is searched for an element

identified by a particular set of indices by searching the table for segments

8 corresponding to each index, most major index first.